

REMARKS

Claims 1-7, 11-19, and 38-53 are pending in the present application. Claims 1, 19, 38, and 53 are the independent claims. In the Official Action, dated June 29, 2005, claims 1, 19, 21, 24, 53, and 54 were objected to. Claims 14, 22, and 48 were rejected under 35 U.S.C. § 112, second paragraph. Claims 21, 22-24, and 54 were rejected under 35 U.S.C. 101. Finally, claims 1-7, 11-19, 38-52, and 54 were rejected for double patenting over U.S. Patent No. 6,910,035 (Hoekman).

Interview Summary

Applicants' attorney, Nathaniel Long, would like to thank the Examiner for the courtesy of an interview on July 28, 2005. At the interview, the rejections of claims 21-24 under 35 U.S.C. 101 were briefly discussed, and the possibility of faxing claim amendments to overcome the rejections was suggested. No specific language for the claims was proposed. However, because those claims are canceled, there is no longer any need to fax in suggested language to overcome the Section 101 rejections.

It was further acknowledged at the interview that claim 38 was referenced in the section regarding rejections under 35 U.S.C. 112 due to typographical error. As is clear from the explanations provided, only claims 14, 22, and 48 were rejected under 35 U.S.C. 112.

Outstanding Objections/Rejections

In response to the points raised in the Official Action, Applicants have amended the claims as follows:

Objection to claims 1 and 38: Applicants have clarified the phrase “applying the data stored” as requested by amending the claims to clarify that the data refers to output matrix data. Claims 1 and 38 have also been amended in several other places to place them in better form for allowance.

Objection to claim 24: Claim 24 has been canceled, rendering the outstanding objections moot.

Objection to claims 19, 21, 53 and 54: Claims 21 and 54 have been canceled, rendering the corresponding objections moot. Claims 19 and 53 have been amended to incorporate the missing elements of the claims they incorporate, as requested.

Rejection of claims 14 and 48 under 35 U.S.C. 112: Claims 14 and 48 have been amended to traverse the rejection. The phrase “the...interpolation stage” has been removed.

Rejection of claim 22 under 35 U.S.C. 112: Claim 22 has been canceled, rendering the corresponding rejections moot.

Rejection of claims 21, 22-24, and 54 under 35 U.S.C. 101: Applicants have canceled claims 21, 22-24, and 54, rendering the corresponding rejections moot. Applicants cancel claims 21, 22-24, and 54 without conceding the propriety of the rejections of those claims under 35 U.S.C. 101 and reserve the right to pursue the subject matter in one or more continuation applications.

Rejection of claims 1-7, 11-19, 38-52, and 54 for double patenting: A terminal disclaimer in compliance with 37 CFR 1.321(c) is filed herewith to overcome the double patenting rejections of claims 1-7, 11-19, 38-52, and 54 over Hoekman.

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CONCLUSION

Applicants believe that the present reply is responsive to each of the points raised by the Examiner in the Office Action, and submits that all pending claims of the application are in condition for allowance. Favorable consideration and passage to issue of the application at the Examiner's earliest convenience is earnestly solicited.

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Nathaniel Ari Long
Registration No. 53,233

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439